

METHOD AND COMPOSITIONS FOR PROTECTING CIVIL INFRASTRUCTURE

Abstract

A method of protecting a civil infrastructure substrate from the damaging effects of pollution, noxious fumes, weather, and the like. The method comprises (a) providing a composition comprising carbon dioxide and a fluorocarbon such as a fluoropolyether (preferably a perfluoropolyether) or a fluorocarbon elastomer, optionally having at least one anchoring group such as an amide covalently joined thereto, and then (b) applying that composition to the civil infrastructure substrate to form a protective coating thereon. The applying step is preferably carried out by spraying. Compositions useful for carrying out the process of the invention are also disclosed.

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